

Storm Data and Unusual Weather Phenomena - June 2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ILLINOIS, Northwest				
HANCOCK COUNTY --- HAMILTON [40.40, -91.35], 0.7 W HAMILTON [40.40, -91.36], 1.6 W NIOTA [40.62, -91.31], 1.5 SW PONTOOSUC [40.62, -91.22]				
	06/01/13 00:00 CST		0	Flood (due to Heavy Rain)
	06/09/13 23:00 CST		0	Source: River/Stream Gage
Heavy rain across the region late in the month of May led to the Mississippi River being above the major flood stage of 18 feet to begin the month. The river fell below major flood stage by mid morning on the 1st and then rose back above it shortly after midnight on the 4th. The river remained above major flood stage until late in the day on the 9th.				
HENDERSON COUNTY --- 1.6 E GULFPORT [40.82, -91.05], 1.0 NNW GULFPORT [40.83, -91.09], 1.7 N OQUAWKA [40.95, -90.95], 1.6 SE DELABAR STATE PARK [40.95, -90.91]				
	06/01/13 00:00 CST		0	Flood (due to Heavy Rain)
	06/12/13 23:00 CST		0	Source: River/Stream Gage
Heavy rain across the region late in the month of May led to rises along the Mississippi River above major flood stage at Gladstone, Illinois and Burlington, Iowa. The Mississippi River at Gladstone and Burlington began the month above their major flood stages of 14 and 18 feet respectively and remained above major flood stage through late in the day on the 12th.				
MERCER COUNTY --- NEW BOSTON [41.17, -91.00], 1.1 S KEITHSBURG [41.08, -90.93], 2.1 WSW KEITHSBURG [41.08, -90.96], 1.7 WSW NEW BOSTON [41.16, -91.03]				
	06/02/13 12:00 CST		0	Flood (due to Heavy Rain)
	06/10/13 02:00 CST		0	Source: River/Stream Gage
Heavy rain across the region late in the month of May led to rises along the Mississippi River above major flood stage at New Boston and Keithsburg. The Mississippi River at New Boston rose above the major flood stage of 18.5 feet during the early afternoon of the 2nd and fell below 18.5 feet late in the day of the 9th. The Mississippi River at Keithsburg rose above the major flood stage of 17 feet during the afternoon of the 2nd and fell below 17 feet early in the morning of the 10th.				
Widespread heavy rainfall across the region during late May and into early June led to widespread river flooding across eastern Iowa as the waters moved down stream.				
JO DAVIESS COUNTY --- 3.0 SE HANOVER [42.22, -90.24]				
	06/12/13 17:50 CST		0	Tornado (EF0, L: 0.50 mi , W: 20 yd)
	06/12/13 17:50 CST		0	Source: NWS Storm Survey
A NWS Survey Team determined that there was a brief tornado touchdown 3 miles south of Hanover with no significant damage.				
CARROLL COUNTY --- 6.0 N SAVANNA [42.17, -90.15], 4.0 W MT CARROLL [42.10, -90.06]				
	06/12/13 17:53 CST		0	Tornado (EF2, L: 6.60 mi , W: 880 yd)
	06/12/13 18:03 CST	1	0	Source: NWS Storm Survey
A NWS Survey team determined that EF2 tornado with maximum winds of 135 mph. The track began 6 miles north of Savanna and ended 4 miles west of Mount Carroll Illinois. The tornado was well defined with significant tree damage. Several farm outbuildings were damaged and one house was pushed off its foundation where the one injury occurred.				
JO DAVIESS COUNTY --- 6.0 S GALENA [42.33, -90.42]				
	06/12/13 19:40 CST		0	Thunderstorm Wind (EG 52 kt)
	06/12/13 19:40 CST		0	Source: Law Enforcement
Law enforcement reported several trees down.				
A surface low moved along a warm front into northwest Illinois and helped to focus thunderstorms along the Highway 20 corridor where the warm front was sitting in the early evening hours. Two supercell thunderstorms developed along the warm front and tracked southeastward, producing damaging winds along with two tornadoes. The first tornado touched down 3 miles south of Hanover and caused no significant damage. The tornado was on the ground for a half a mile. The second tornado touched down 6 miles north of Savanna and ended 4 miles west of Mount Carroll Illinois. The tornado was rated EF-2 with maximum winds of 135 mph, and one person was injured.				
HANCOCK COUNTY --- AUGUSTA [40.23, -90.95]				
	06/15/13 19:02 CST		0	Thunderstorm Wind (EG 52 kt)
	06/15/13 19:02 CST		0	Source: Trained Spotter


Storm Data and Unusual Weather Phenomena - June 2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
A trained spotter reported a wind gust of 50 to 60 mph.				
HANCOCK COUNTY --- 0.9 SW CARTHAGE [40.41, -91.14]				
	06/15/13 19:12 CST		0	Thunderstorm Wind (EG 52 kt)
	06/15/13 19:12 CST		0	Source: Trained Spotter
A trained spotter estimated 4 separate wind gusts of 50 to 60 mph.				
MCDONOUGH COUNTY --- 3.8 ESE ARGYLE LAKE SP [40.42, -90.72]				
	06/15/13 20:34 CST		0	Heavy Rain
	06/15/13 20:34 CST		0	Source: Trained Spotter
The rain fell over a two hour period.				
Showers and thunderstorms developed in the early evening across southern Iowa and northern Missouri and moved eastward into northwest Illinois. Some of these thunderstorms produced damaging winds and heavy rain in McDonough and Hancock Counties.				
WHITESIDE COUNTY --- 1.7 WNW DEER GROVE [41.63, -89.73]				
	06/23/13 13:20 CST		0	Thunderstorm Wind (EG 52 kt)
	06/23/13 13:20 CST		0	Source: Trained Spotter
The time of this event was estimated using radar. A trained spotter reported a downed fruit tree along with several limbs that were 3 to 5 inches in diameter.				
HENRY COUNTY --- 0.7 N KEWANEE [41.24, -89.93]				
	06/23/13 13:26 CST		0	Thunderstorm Wind (MG 57 kt)
	06/23/13 13:26 CST		0	Source: Public
Radar was used to estimate the time of this event.				
A disturbance moving eastward across eastern Iowa into northwest Illinois brought yet another round of scattered showers and thunderstorms. A few of these thunderstorms became severe over northwest Illinois.				
HENRY COUNTY --- 0.7 N KEWANEE [41.24, -89.93], 15.1 E BRADBURY CORNERS [41.24, -89.59], 18.4 ESE BRADBURY CORNERS [41.14, -89.58], 4.5 SSE KEWANEE MUNI ARPT [41.16, -89.91]				
	06/24/13 05:38 CST		0	Flash Flood (due to Heavy Rain)
	06/24/13 05:38 CST		0	Source: Law Enforcement
Law Enforcement reported street flooding and flash flooding.				
HENRY COUNTY --- 0.5 E GENESEO [41.45, -90.14], 1.8 E GENESEO [41.45, -90.12], 1.9 ESE GENESEO [41.44, -90.12], 0.7 SE GENESEO [41.44, -90.14]				
	06/24/13 08:05 CST		0	Flash Flood (due to Heavy Rain)
	06/24/13 08:05 CST		0	Source: Law Enforcement
Law Enforcement reported water over portions of Highway 6 east of Geneseo and rural roads across Henry County. Rainfall reports across Henry County ranged from 2 to 5 inches.				
ROCK ISLAND COUNTY --- MOLINE [41.50, -90.52], 1.0 E CARBON CLIFF [41.50, -90.36], 2.3 SSE CARBON CLIFF [41.47, -90.36], 0.4 NW FRUITLAND [41.47, -90.53]				
	06/24/13 09:00 CST		0	Flash Flood (due to Heavy Rain)
	06/24/13 13:00 CST		0	Source: Broadcast Media
Broadcast Media reported that South Park Mall was closed in Moline due to rising water in parking lot due to heavy rain. Rainfall amounts from around Moline ranged from 3 to a little over 4 inches. The ASOS at the Moline/Quad Cities Airport reported 4.19 inches of rain through 10 AM CDT.				
A disturbance moving eastward across Iowa and into Illinois during the early morning hours focused several rounds of thunderstorms to the north of a warm front that stretched south of Interstate 80. Thunderstorms developed across Rock Island, and Henry Counties. Widespread 1 to 3 inches of rain were reported in across this area with the Quad Cities Airport receiving a record rainfall of 4.42 inches for the day.				

Storm Data and Unusual Weather Phenomena - June 2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
				

Storm Data and Unusual Weather Phenomena - June 2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
				
<i>Photo is courtesy of KWQC viewer of flash flooding at a golf course in Kewanee.</i>				
WARREN COUNTY --- SMITHSHIRE [40.80, -90.78]				
	06/24/13 14:28 CST	0		Thunderstorm Wind (EG 52 kt)
	06/24/13 14:28 CST	0		Source: Emergency Manager
The Emergency Manager estimated thunderstorm wind gusts of 50 to 60 mph.				
ROCK ISLAND COUNTY --- 1.7 ESE MOLINE [41.49, -90.49]				
	06/24/13 14:38 CST	0		Thunderstorm Wind (EG 60 kt)
	06/24/13 14:38 CST	0		Source: Trained Spotter
Several large trees, about a foot in diameter, were reported down near 19th Avenue and 26th Avenue. Time of the event was estimated using radar.				
ROCK ISLAND COUNTY --- 0.7 N SILVIS HGTS [41.51, -90.43]				
	06/24/13 14:39 CST	0		Thunderstorm Wind (EG 52 kt)
	06/24/13 14:39 CST	0		Source: Trained Spotter
A trained spotter reported major tree damage with many trees down.				
ROCK ISLAND COUNTY --- 1.7 ESE MOLINE [41.49, -90.49]				
	06/24/13 14:39 CST	0		Thunderstorm Wind (EG 52 kt)
	06/24/13 14:39 CST	0		Source: Public
Several large tree branches were blown down.				
ROCK ISLAND COUNTY --- 1.7 ESE MOLINE [41.49, -90.49]				
	06/24/13 14:39 CST	0		Thunderstorm Wind (MG 59 kt)
	06/24/13 14:39 CST	0		Source: ASOS
The ASOS at the Quad City International Airport measured a wind gusts of 68 mph.				
HENRY COUNTY --- WOODHULL [41.18, -90.32]				
	06/24/13 14:46 CST	0		Thunderstorm Wind (EG 52 kt)
	06/24/13 14:46 CST	0		Source: Trained Spotter
Report of a semi truck overturned on Interstate 74 just north of Woodhull.				
HENRY COUNTY --- CAMBRIDGE [41.30, -90.20]				
	06/24/13 14:54 CST	0		Thunderstorm Wind (EG 52 kt)
	06/24/13 14:54 CST	0		Source: Trained Spotter
Thunderstorm wind gusts were estimated at 50 to 60 mph.				
HENRY COUNTY --- 1.0 NE ATKINSON [41.43, -90.01], 4.0 NNE ANNAWAN [41.45, -89.89]				
	06/24/13 15:00 CST	50K		Tornado (EF1, L: 6.21 mi , W: 50 yd)
	06/24/13 15:05 CST	0		Source: NWS Storm Survey
The tornado snapped several tree trunks, destroyed a grain bin, downed large limbs, and damaged the roof of one residence.				
HENRY COUNTY --- 2.1 NE ATKINSON [41.44, -89.99]				
	06/24/13 15:07 CST	0		Thunderstorm Wind (EG 61 kt)
	06/24/13 15:07 CST	0		Source: NWS Employee
An off duty NWS employee estimated a thunderstorm wind gust of 70 mph.				

Storm Data and Unusual Weather Phenomena - June 2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ROCK ISLAND COUNTY --- 1.2 WSW MOLINE [41.49, -90.54]				
	06/24/13 15:15 CST		0	Hail (0.75 in)
	06/24/13 15:15 CST		0	Source: Trained Spotter
In addition to the hail, trees were blown down along Avenue of the Cities in Moline. Also there were power outages in the same area.				
WHITESIDE COUNTY --- TAMPICO [41.63, -89.78]				
	06/24/13 15:15 CST		10K	Thunderstorm Wind (EG 70 kt)
	06/24/13 15:15 CST		0	Source: Public
Power lines and trees were downed in Tampico.				
WHITESIDE COUNTY --- 0.5 W TAMPICO [41.63, -89.79]				
	06/24/13 15:20 CST		0	Thunderstorm Wind (EG 50 kt)
	06/24/13 15:20 CST		0	Source: Trained Spotter
A trained spotter reported 2.5 inch diameter tree branches down.				
BUREAU COUNTY --- 0.7 S NEW BEDFORD [41.51, -89.72]				
	06/24/13 15:21 CST		0	Thunderstorm Wind (EG 54 kt)
	06/24/13 15:21 CST		0	Source: Emergency Manager
The emergency manager reported a tree split in half.				
WHITESIDE COUNTY --- 0.5 E ROCK FALLS [41.77, -89.69]				
	06/24/13 15:27 CST		0	Thunderstorm Wind (EG 52 kt)
	06/24/13 15:27 CST		0	Source: Trained Spotter
Thunderstorm wind gusts were estimated at 55 to 60 mph.				
WHITESIDE COUNTY --- 0.5 E STERLING [41.80, -89.69]				
	06/24/13 15:31 CST		0	Thunderstorm Wind (EG 61 kt)
	06/24/13 15:31 CST		0	Source: Trained Spotter
A trained spotter reported a wind gust of 70 mph.				
BUREAU COUNTY --- 1.0 NNE VAN ORIN [41.56, -89.34], 1.5 NNE VAN ORIN [41.57, -89.33]				
	06/24/13 15:33 CST		10K	Tornado (EF0, L: 0.63 mi , W: 75 yd)
	06/24/13 15:34 CST		0	Source: Trained Spotter
Over a dozen large pine trees were downed, including several that had been snapped across two farmsteads. There was minor damage to one of the homes from a tree falling on it. In addition, the corn crop was severely bent between the two properties.				
WHITESIDE COUNTY --- 0.5 E ROCK FALLS [41.77, -89.69]				
	06/24/13 15:35 CST		0	Thunderstorm Wind (EG 52 kt)
	06/24/13 15:35 CST		0	Source: Fire Department/Rescue
The fire department reported a large tree down on a house.				
BUREAU COUNTY --- MALDEN [41.42, -89.37]				
	06/24/13 15:39 CST		0	Thunderstorm Wind (EG 61 kt)
	06/24/13 15:39 CST		0	Source: Trained Spotter
A trained spotter reported a large two and half foot diameter tree down along with several branches. Time of this event was estimated using radar.				
BUREAU COUNTY --- VAN ORIN [41.55, -89.35]				
	06/24/13 15:40 CST		0	Thunderstorm Wind (EG 61 kt)
	06/24/13 15:40 CST		0	Source: Trained Spotter
A trained spotter reported a large elm tree was down along with numerous branches. There was also a sheet of plywood blown across the road.				

Storm Data and Unusual Weather Phenomena - June 2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
PUTNAM COUNTY --- 1.7 ENE HENNEPIN [41.26, -89.32]				
	06/24/13 15:40 CST		0	Thunderstorm Wind (EG 50 kt)
	06/24/13 15:40 CST		0	Source: Trained Spotter
Several tree branches that were 1 to 2 inches in diameter were reported down.				
BUREAU COUNTY --- LA MOILLE [41.53, -89.28]				
	06/24/13 15:45 CST		0	Thunderstorm Wind (EG 50 kt)
	06/24/13 15:45 CST		0	Source: Trained Spotter
A three inch diameter tree was split in half due to a thunderstorm wind gust.				
A disturbance moving northeastward across the region led to the development of a severe squall line with bowing segments that moved from eastern Iowa into northwest Illinois during the early evening hours. This line of thunderstorms produced widespread wind damage along and to the north of Interstate 80. There was an EF-1 tornado near Atkinson in Henry County and an EF-0 near Van Orin in Bureau County.				
MCDONOUGH COUNTY --- 0.9 SW PRAIRIE CITY [40.61, -90.46]				
	06/25/13 07:50 CST		0	Hail (1.00 in)
	06/25/13 07:50 CST		0	Source: Public
Hail varying in size from a half inch to an inch diameter was reported.				
The active weather continued as another disturbance traversing the region produced showers and thunderstorms during the morning hours of the 25th. One of these thunderstorms became severe over McDonough County producing quarter sized hail.				
MERCER COUNTY --- NEW BOSTON [41.17, -91.00], 1.0 W KEITHSBURG [41.10, -90.95], 0.4 ENE KEITHSBURG [41.10, -90.92], 1.2 ENE NEW BOSTON [41.17, -90.98]				
	06/27/13 23:00 CST		0	Flood (due to Heavy Rain)
	06/30/13 23:59 CST		0	Source: River/Stream Gage
Heavy rains farther to the north during the last two of June led to rises on the Mississippi River to above major flood stage at both New Boston and Keithsburg. Both New Boston and Keithsburg rose above their major flood stages of 18.5 feet and 17 feet respectively during the early morning hours of the 28th and remained there through the end of the month.				
HENDERSON COUNTY --- 1.2 E CARTHAGE LAKE [40.80, -91.06], 0.7 WSW GULFPORT [40.82, -91.09], 0.7 WNW DELABAR STATE PARK [40.97, -90.94], 1.2 ESE DELABAR STATE PARK [40.96, -90.91]				
	06/28/13 12:00 CST		0	Flood (due to Heavy Rain)
	06/30/13 23:59 CST		0	Source: Trained Spotter
Heavy rains farther to the north during the last two weeks of June led to rises on the Mississippi River to above major flood stage at both Gladstone and Burlington. The Mississippi River at Burlington rose above the major flood stage during the afternoon of the 28th and remained there through the end of the month. The Mississippi River at Gladstone rose above its major flood stage of 14 feet around midnight on the 29th and remained there through the end of the month.				
ROCK ISLAND COUNTY --- ILLINOIS CITY [41.40, -90.90], 5.3 WNW ILLINOIS CITY [41.43, -91.00], 8.2 W ILLINOIS CITY [41.38, -91.06], 7.7 WSW ILLINOIS CITY [41.37, -91.04]				
	06/29/13 06:00 CST		0	Flood (due to Heavy Rain)
	06/30/13 23:59 CST		0	Source: River/Stream Gage
Heavy rains farther to the north during the last week in June led to rises on the Mississippi River at Illinois City above the major flood stage of 18 feet by sunrise on the 29th and the river remained above the major flood stage through the end of the month.				
Widespread heavy rains across the Upper Midwest during the last two weeks in June led to rises on area rivers the last week in June.				
IOWA, East Central and Southeast				
DES MOINES COUNTY --- AUGUSTA [40.75, -91.28], 1.4 NE AUGUSTA [40.77, -91.26], 3.1 W SPRING GROVE [40.74, -91.21], 3.5 ESE AUGUSTA [40.73, -91.22]				

Storm Data and Unusual Weather Phenomena - June 2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/01/13 00:00 CST		0	Flood (due to Heavy Rain)
	06/02/13 19:00 CST		0	Source: River/Stream Gage

The Skunk River was above the major flood stage of 20 feet to start the month and falls below the major flood stage on the evening of the 2nd.

DES MOINES COUNTY --- BURLINGTON [40.82, -91.08], 5.6 ESE HURON [41.01, -90.92], 1.5 E HURON [41.03, -91.00], 1.0 NE LENOX PARK [40.84, -91.12]

06/01/13 00:00 CST	0	Flood (due to Heavy Rain)
06/12/13 23:00 CST	0	Source: River/Stream Gage

Heavy rain across the region late in the month of May led to rises along the Mississippi River to above major flood stage at Gladstone, Illinois and Burlington, Iowa. The Mississippi River at Gladstone and Burlington began the month above their major flood stages of 14 and 18 feet respectively and remained above major flood stage through late in the day on the 12th.

IOWA COUNTY --- 3.5 NW MARENGO [41.83, -92.12], 3.2 W MARENGO [41.80, -92.13], 1.8 ESE MARENGO [41.79, -92.04], 2.4 ENE MARENGO [41.81, -92.03]

06/01/13 00:00 CST	0	Flood (due to Heavy Rain)
06/04/13 02:00 CST	0	Source: River/Stream Gage

Heavy rain that fell late in May caused the Iowa River at Marengo to be above major flood stage of 18.5 feet to start the month. The river did not fall below major flood stage at Marengo until the early morning hours on the 4th.

JONES COUNTY --- 3.3 ESE WAPSIPINICON SP [42.08, -91.22], 1.6 NE OXFORD MILLS [41.99, -90.91], 2.7 SSW OXFORD MILLS [41.94, -90.96], 2.6 NNW MORLEY [42.04, -91.27]

06/01/13 00:00 CST	0	Flood (due to Heavy Rain)
06/02/13 23:30 CST	0	Source: River/Stream Gage

Heavy rains in late May lead to the Wapsipinicon River starting June above major flood stage. The river fell quickly below the major flood stage of 19 feet on the evening of the 2nd.

KEOKUK COUNTY --- 1.8 SW SIGOURNEY [41.31, -92.22], 2.1 WSW SIGOURNEY IOWA ARPT [41.29, -92.22], 0.9 SE SIGOURNEY IOWA ARPT [41.29, -92.17], 1.1 NE SIGOURNEY IOWA ARPT [41.31, -92.16]

06/01/13 00:00 CST	0	Flood (due to Heavy Rain)
06/01/13 23:00 CST	0	Source: River/Stream Gage

The North Fork of the Skunk River began June above the major flood stage of 21 feet and fell below 21 feet in the late evening hours of the first.

LEE COUNTY --- KEOKUK [40.40, -91.38], 1.8 WNW KEOKUK [40.41, -91.41], 1.5 NE VIELE [40.63, -91.40], 0.9 ESE FT MADISON [40.63, -91.30]

06/01/13 00:00 CST	0	Flood (due to Heavy Rain)
06/10/13 23:00 CST	0	Source: River/Stream Gage

Heavy rain across the region late in the month of May led to the Mississippi River being above the major flood stage of 18 feet to begin the month. The river fell below major flood stage by mid morning on the 1st and then rose back above it shortly after midnight on the 4th. The river remained above major flood stage until late in the day on the 9th.

LINN COUNTY --- 2.1 NNW COVINGTON [42.03, -91.78], 0.9 NNW CEDAR RAPIDS AIRPARK [42.06, -91.73], 1.1 SW BERTRAM [41.94, -91.54], 2.8 W PALISADES KEPLER SP [41.92, -91.57]

06/01/13 00:00 CST	0	Flood (due to Heavy Rain)
06/03/13 06:00 CST	0	Source: River/Stream Gage

The Cedar River in Cedar Rapids began June above major flood stage.

LOUISA COUNTY --- 0.4 NNE COLUMBUS JCT [41.28, -91.35], 0.5 WSW FREDONIA [41.28, -91.34], 0.9 WNW FREDONIA [41.29, -91.35], 1.0 N COLUMBUS JCT [41.28, -91.35]

06/01/13 12:00 CST	0	Flood (due to Heavy Rain)
06/07/13 00:00 CST	0	Source: River/Stream Gage

The Iowa River at Columbus Junction rose above the major flood stage of 23 feet during the late morning hours of the 1st and did not fall below major flood stage until the early morning hours of the 7th.

LOUISA COUNTY --- WAPELLO [41.18, -91.20], 1.4 E WAPELLO [41.18, -91.17], 2.9 ESE WAPELLO [41.16, -91.15], 2.4 SE WAPELLO [41.15, -91.17]

06/01/13 12:00 CST	0	Flood (due to Heavy Rain)
06/07/13 22:00 CST	0	Source: River/Stream Gage

Storm Data and Unusual Weather Phenomena - June 2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
The Iowa River at Wapello rose above the major flood stage of 25 feet in the early afternoon of the first. The river remained above major flood stage until the late evening of the 7th.				

MUSCATINE COUNTY --- 0.8 NNW CRANSTON [41.39, -91.28], 2.1 NE CONESVILLE [41.40, -91.32], 2.5 S CONESVILLE [41.34, -91.34], 3.0 SSE CONESVILLE [41.34, -91.32]

06/02/13 00:00 CST	0	Flood (due to Heavy Rain)
06/05/13 02:00 CST	0	Source: River/Stream Gage

The Cedar River at Conesville rose above the major flood stage of 16.5 feet in the early morning hours of the 2nd and fell below major flood stage in the early morning hours of the 5th.

LOUISA COUNTY --- 5.4 E OAKVILLE [41.09, -90.95], 4.8 ENE TOOLESBORO [41.16, -90.98], 0.6 NE TOOLESBORO [41.16, -91.06], 3.1 ESE OAKVILLE [41.09, -90.99]

06/02/13 12:00 CST	0	Flood (due to Heavy Rain)
06/10/13 02:00 CST	0	Source: River/Stream Gage

Heavy rain across the region late in the month of May led to rises along the Mississippi River to above major flood stage at New Boston and Keithsburg. The Mississippi River at New Boston rose above the major flood stage of 18.5 feet during the early afternoon of the 2nd and fell below 18.5 feet late in the day of the 9th. The Mississippi River at Keithsburg rose above the major flood stage of 17 feet during the afternoon of the 2nd and fell below 17 feet early in the morning of the 10th.

CLINTON COUNTY --- 3.5 SSE GRAND MOUND [41.77, -90.66], 5.0 S GRAND MOUND [41.75, -90.66], 4.7 S DEWITT [41.75, -90.54], 3.5 S DEWITT [41.77, -90.54]

06/02/13 23:00 CST	0	Flood (due to Heavy Rain)
06/10/13 12:00 CST	0	Source: River/Stream Gage

Heavy rains in late May led to rises on rivers across the region. The Wapsipinicon River rose above the major flood stage of 12.5 feet during the late evening hours of the 2nd. The river did not fall below the major flood stage until the afternoon hours of the 10th.

SCOTT COUNTY --- 1.1 ENE GAMBRILL [41.76, -90.53], 1.9 NE GAMBRILL [41.77, -90.52], 1.3 NNW GAMBRILL [41.77, -90.56], 1.0 NW GAMBRILL [41.76, -90.56]

06/02/13 23:00 CST	0	Flood (due to Heavy Rain)
06/10/13 12:00 CST	0	Source: River/Stream Gage

Heavy rains in late May led to rises on rivers across the region. The Wapsipinicon River rose above the major flood stage of 12.5 feet during the late evening hours of the 2nd. The river did not fall below the major flood stage until the afternoon hours of the 10th.

Widespread heavy rainfall across the region during late May and into early June led to widespread river flooding across eastern Iowa as the waters moved downstream.

BUCHANAN COUNTY --- 4.9 SSE LAMONT [42.53, -91.61]

06/12/13 15:47 CST	0	Funnel Cloud
06/12/13 15:47 CST	0	Source: Trained Spotter

A trained spotter reported a wall cloud with some rotation and occasional short-lived funnel clouds.

DUBUQUE COUNTY --- 1.7 ESE SAGEVILLE [42.56, -90.69]

06/12/13 16:19 CST	0	Funnel Cloud
06/12/13 16:19 CST	0	Source: Trained Spotter

A spotter that was located near Kieler Wisconsin observed a funnel cloud to the west of his location.

DUBUQUE COUNTY --- KEY WEST [42.45, -90.68]

06/12/13 16:48 CST	0	Funnel Cloud
06/12/13 16:48 CST	0	Source: Emergency Manager

The Emergency Manager observed a funnel cloud near HWY 151 near Ryan Iowa.

JACKSON COUNTY --- 0.9 SE ST DONATUS [42.36, -90.54]

06/12/13 17:17 CST	0	Funnel Cloud
06/12/13 17:17 CST	0	Source: Law Enforcement

DUBUQUE COUNTY --- 0.9 SE PEOSTA [42.44, -90.84]

Storm Data and Unusual Weather Phenomena - June 2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/12/13 19:12 CST		0	Thunderstorm Wind (EG 52 kt)
	06/12/13 19:12 CST		0	Source: Trained Spotter

A trained spotter estimated a thunderstorm wind gust of 52 knots.

DUBUQUE COUNTY --- 0.5 E CENTER GROVE [42.50, -90.69]

06/12/13 19:21 CST	0	Hail (1.75 in)
06/12/13 19:21 CST	0	Source: Law Enforcement

Golf ball sized hail was reported on the north side of town.

A surface low moved along a warm front from southwestern Iowa into northwest Illinois which helped to focus thunderstorms along the Highway 20 corridor where the warm front was sitting in the late afternoon and evening. Isolated thunderstorms developed along the warm front and tracked eastward during the late afternoon and into the evening. Some of these thunderstorms became severe and produced funnel clouds, hail, and some wind damage from Buchanan County eastward to Dubuque County.

JEFFERSON COUNTY --- 0.5 W FAIRFIELD MUNI ARPT [41.05, -91.98]

06/15/13 17:35 CST	0	Thunderstorm Wind (MG 50 kt)
06/15/13 17:35 CST	0	Source: AWOS

LEE COUNTY --- 1.7 WSW FT MADISON [40.62, -91.35]

06/15/13 19:25 CST	0	Thunderstorm Wind (EG 52 kt)
06/15/13 19:25 CST	0	Source: Trained Spotter

This was a delayed report and time was estimated by radar. A trained spotter reported numerous trees, branches, and powerlines down in a 4 by 6 block area within the city of Fort Madison.

Showers and thunderstorms developed over south central Iowa ahead of a cold front that stretched from western Minnesota into western Iowa and into central Missouri. A few of these thunderstorms became severe as they moved into eastern Iowa producing some wind damage in Lee and Jefferson Counties.

BUCHANAN COUNTY --- AURORA [42.62, -91.73]

06/21/13 07:29 CST	0	Hail (0.88 in)
06/21/13 07:29 CST	0	Source: Emergency Manager

In addition, thunderstorm wind speeds were estimated between 40 and 50 mph.

BUCHANAN COUNTY --- 2.8 N INDEPENDENCE [42.51, -91.89]

06/21/13 07:42 CST	0	Hail (1.75 in)
06/21/13 07:42 CST	0	Source: Emergency Manager

BUCHANAN COUNTY --- 1.5 E OTTERVILLE [42.50, -91.92]

06/21/13 07:43 CST	0	Hail (1.00 in)
06/21/13 07:43 CST	0	Source: Trained Spotter

Pea to quarter sized hail was reported in the area.

DELAWARE COUNTY --- 0.7 N COLESBURG [42.64, -91.20]

06/21/13 07:51 CST	0	Hail (0.75 in)
06/21/13 07:51 CST	0	Source: Emergency Manager

BENTON COUNTY --- 0.5 W URBANA [42.22, -91.88]

06/21/13 07:52 CST	0	Thunderstorm Wind (EG 52 kt)
06/21/13 07:52 CST	0	Source: Trained Spotter

A trained spotter estimated wind speeds of 50 to 60 mph.

DELAWARE COUNTY --- BACKBONE STATE PARK [42.62, -91.55]

06/21/13 07:54 CST	0	Thunderstorm Wind (EG 50 kt)
06/21/13 07:54 CST	0	Source: Emergency Manager

The Emergency Manager reported limbs were down and that awnings were damaged as the storm moved through.


Storm Data and Unusual Weather Phenomena - June 2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
DELAWARE COUNTY --- 0.7 S MANCHESTER ARPT [42.49, -91.50]				
	06/21/13 08:00 CST		0	Hail (1.00 in)
	06/21/13 08:00 CST		0	Source: Emergency Manager
BUCHANAN COUNTY --- 0.5 W QUASQUETON [42.40, -91.76]				
	06/21/13 08:06 CST		0	Hail (0.88 in)
	06/21/13 08:06 CST		0	Source: Emergency Manager
BUCHANAN COUNTY --- 0.5 W QUASQUETON [42.40, -91.76]				
	06/21/13 08:06 CST		0	Thunderstorm Wind (EG 52 kt)
	06/21/13 08:06 CST		0	Source: Emergency Manager
The Emergency Manager estimated wind speeds of 50 to 60 mph.				
BENTON COUNTY --- 0.5 W URBANA [42.22, -91.88]				
	06/21/13 08:08 CST		0	Thunderstorm Wind (EG 56 kt)
	06/21/13 08:08 CST		0	Source: Emergency Manager
The Emergency Manager reported winds of 60 to 65 mph winds with damage to small trees and limbs were down.				
BUCHANAN COUNTY --- 1.2 NW QUASQUETON [42.41, -91.77]				
	06/21/13 08:13 CST		0	Thunderstorm Wind (EG 50 kt)
	06/21/13 08:13 CST		0	Source: Trained Spotter
A trained spotter reported tree limbs of 2 to 5 inches were down and estimated the wind speed to be around 55 mph.				
LINN COUNTY --- ALBURNETT [42.15, -91.62]				
	06/21/13 08:37 CST		0	Thunderstorm Wind (EG 52 kt)
	06/21/13 08:37 CST		0	Source: Broadcast Media
Local broadcast media estimated wind speeds of 55 to 60 mph.				
BUCHANAN COUNTY --- 0.5 W QUASQUETON [42.40, -91.76]				
	06/21/13 09:00 CST		0	Thunderstorm Wind (EG 52 kt)
	06/21/13 09:00 CST		0	Source: Trained Spotter
Several trees and large branches 4 to 12 inches in diameter were blown down along with a dozen shingles blown off of the house. There were also two skylights broken out. The report was delayed and the time was estimated using radar.				
LINN COUNTY --- 2.9 SE CEDAR RAPIDS [41.97, -91.61]				
	06/21/13 09:03 CST		0	Thunderstorm Wind (EG 52 kt)
	06/21/13 09:03 CST		0	Source: Trained Spotter
A trained spotter estimated wind gusts over 60 mph with the storms.				
CEDAR COUNTY --- 0.7 S STANWOOD [41.89, -91.15]				
	06/21/13 09:45 CST		0	Thunderstorm Wind (EG 52 kt)
	06/21/13 09:45 CST		0	Source: Trained Spotter
A trained spotter estimated thunderstorm wind gusts of 60 mph.				
A thunderstorm complex developed ahead of a storm system developing in the northern plains. The complex moved southeastward into eastern Iowa after daybreak on the 21st producing heavy rainfall, up to golf ball sized hail, and strong gusty winds north of a line from Cedar Rapids to Dubuque.				
IOWA COUNTY --- MARENGO [41.80, -92.07]				
	06/22/13 05:59 CST		0	Hail (0.75 in)
	06/22/13 05:59 CST		0	Source: Trained Spotter
A trained spotter reported pea to penny sized hail.				

Storm Data and Unusual Weather Phenomena - June 2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
DUBUQUE COUNTY --- 0.5 E NEW VIENNA [42.55, -91.11], 3.8 SSE LUXEMBURG [42.55, -91.04], 4.2 ESE NEW VIENNA [42.53, -91.04], 1.4 SSE NEW VIENNA [42.53, -91.10]				
	06/22/13 06:25 CST		0	Flash Flood (due to Heavy Rain)
	06/22/13 06:25 CST		0	Source: Emergency Manager
New Wine Park was evacuated due to high waters from recent heavy rains. Recent rainfall amounts were estimated between 2 to 3 inches. The Emergency Manager reported 3.70 inches fell in Luxemburg in one hour.				
DUBUQUE COUNTY --- (DBQ)DUBUQUE MUNI AR [42.40, -90.72]				
	06/22/13 06:57 CST		0	Thunderstorm Wind (MG 50 kt)
	06/22/13 06:57 CST		0	Source: ASOS
A storm system slowly moving eastward across Iowa brought another round of showers and thunderstorms to parts of eastern Iowa on the morning of the 22nd. Small hail, heavy rain, and damaging winds were reported in Dubuque County as well as some flash flooding.				
CEDAR COUNTY --- 5.9 NNW MECHANICSVILLE [41.98, -91.31], 2.6 N MASSILLON [41.96, -90.93], 0.9 WSW BENNETT [41.73, -91.00], 1.2 ENE CEDAR BLUFF [41.78, -91.30]				
	06/24/13 04:00 CST		0	Flash Flood (due to Heavy Rain)
	06/24/13 11:00 CST		0	Source: Law Enforcement
Widespread heavy rain fell across Cedar County from the early morning hours into the mid morning. The cooperative observer in Lowden reported 6.25 inches, while broadcast media reported 6.75 inches of rain in Clarence. There was also a public report from 1 mile east of Lowden with 6.25 inches of rain. Other reports included: 2 feet of water flowing over the road near Mechanicsville; a road and bridge were washed out near Lowden; water was over Highway 30 between Mechanicsville and Stanwood; water was up to the first floor windows at several homes in Lowden; and finally, the Cedar County Engineer reported 2 dozen roads closed across the county due to flash flooding.				
CLINTON COUNTY --- 0.5 E WHEATLAND [41.83, -90.84], 2.1 WNW CALAMUS [41.83, -90.81], 1.9 WNW CALAMUS [41.83, -90.81], 0.6 ESE WHEATLAND [41.83, -90.84]				
	06/24/13 04:00 CST		0	Flash Flood (due to Heavy Rain)
	06/24/13 04:00 CST		0	Source: Law Enforcement
Law Enforcement reported a culvert washed out on Highway 30 near Wheatland. The report was delayed. Rainfall reports from around Clinton County indicated around 2 inches of rain.				
SCOTT COUNTY --- 0.5 W DAVENPORT [41.53, -90.59], 1.6 WNW BETTENDORF [41.54, -90.55], 1.4 W BETTENDORF [41.53, -90.55], 0.6 SW DAVENPORT [41.52, -90.59]				
	06/24/13 05:30 CST		0	Flash Flood (due to Heavy Rain)
	06/24/13 05:30 CST		0	Source: Trained Spotter
A trained spotter reported that streets and ditches were full of water. Rainfall reports in the city ranged from 1 to 3 inches.				
JOHNSON COUNTY --- 0.9 SE IOWA CITY [41.66, -91.54], 3.5 E IOWA CITY [41.66, -91.48], 3.7 ENE IOWA CITY MUNI ARPT [41.64, -91.48], 1.5 NNE IOWA CITY MUNI ARPT [41.65, -91.53]				
	06/24/13 11:02 CST		0	Flash Flood (due to Heavy Rain)
	06/24/13 11:02 CST		0	Source: Trained Spotter
A trained spotter reported that heavy rains fell for more than twenty minutes and that many streets were flooded. Rainfall reports from across Johnson County ranged from 1 to 3 inches.				
A disturbance moving eastward across Iowa and into Illinois focused several rounds of thunderstorms to the north of a warm front that stretched south of Interstate 80. Storms affected Cedar, Linn, Johnson, and Scott Counties beginning in the early morning hours of June 24th and continued into the late morning. The heaviest rains fell across Cedar County where over 6 inches of rain was reported. Widespread 1 to 3 inches of rain were reported in other locations.				

Storm Data and Unusual Weather Phenomena - June 2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
				

Cooperative observation site underwater from flash flooding on the morning of 6/24/2013. Photo is courtesy of Dan Gottschalk

JEFFERSON COUNTY --- 1.7 SE FAIRFIELD [40.98, -91.96]

06/24/13 13:24 CST	0	Thunderstorm Wind (EG 55 kt)
06/24/13 13:24 CST	0	Source: Trained Spotter

A trained spotter reported tree tops snapped off with several branches down.

VAN BUREN COUNTY --- 3.0 SSE LAKE SUGEMA CAMP GD [40.64, -91.98]

06/24/13 13:35 CST	0	Thunderstorm Wind (EG 52 kt)
06/24/13 13:35 CST	0	Source: Trained Spotter

Thunderstorm wind gusts were estimated between 50 and 60 mph.

JEFFERSON COUNTY --- 1.0 E FAIRFIELD MUNI ARPT [41.05, -91.95]

06/24/13 13:37 CST	0	Thunderstorm Wind (EG 50 kt)
06/24/13 13:37 CST	0	Source: Trained Spotter

Several 3 inch tree limbs from an ash tree were reported down as the storm moved through.

JOHNSON COUNTY --- 1.2 SE OAKDALE [41.69, -91.60]

06/24/13 13:41 CST	0	Thunderstorm Wind (EG 55 kt)
06/24/13 13:41 CST	0	Source: Trained Spotter

Numerous trees between 6 inches and a foot in diameter were reported down near the Hyvee on 5th Street. Time of the event was estimated using radar.

JOHNSON COUNTY --- IOWA CITY MUNI ARPT [41.63, -91.55]

Storm Data and Unusual Weather Phenomena - June 2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/24/13 13:42 CST		0	Thunderstorm Wind (MG 56 kt)
	06/24/13 13:42 CST		0	Source: ASOS
<hr/>				
JOHNSON COUNTY --- 1.2 SE OAKDALE [41.69, -91.60]				
	06/24/13 13:45 CST		0	Thunderstorm Wind (EG 52 kt)
	06/24/13 13:45 CST		0	Source: Trained Spotter
Power was out in town. A trained spotter estimated the thunderstorm wind gusts to be between 50 and 60 mph.				
<hr/>				
JOHNSON COUNTY --- 1.2 NE OAKDALE [41.71, -91.60]				
	06/24/13 14:00 CST		0	Thunderstorm Wind (EG 52 kt)
	06/24/13 14:00 CST		0	Source: Trained Spotter
A trained spotter estimated thunderstorm wind gust speeds up to 60 mph.				
<hr/>				
LOUISA COUNTY --- 1.7 SW GLADWIN [41.35, -91.47]				
	06/24/13 14:00 CST		0	Thunderstorm Wind (EG 52 kt)
	06/24/13 14:00 CST		0	Source: Trained Spotter
A trained spotter estimated a thunderstorm wind gust of 60 mph. Time of this event was estimated using radar.				
<hr/>				
WASHINGTON COUNTY --- 0.9 NE WASHINGTON [41.31, -91.69]				
	06/24/13 14:00 CST		0	Thunderstorm Wind (EG 54 kt)
	06/24/13 14:00 CST		0	Source: Trained Spotter
A trained spotter reported that trees were down in town, corn was blown over, and a small metal outbuilding was destroyed.				
<hr/>				
LOUISA COUNTY --- 0.9 SE WAPELLO [41.17, -91.19]				
	06/24/13 14:02 CST		0	Thunderstorm Wind (MG 61 kt)
	06/24/13 14:02 CST		0	Source: Trained Spotter
<hr/>				
MUSCATINE COUNTY --- 2.3 NNE MUSCATINE [41.45, -91.03]				
	06/24/13 14:08 CST		0	Thunderstorm Wind (EG 65 kt)
	06/24/13 14:08 CST		0	Source: Trained Spotter
A trained spotter estimated a thunderstorm wind gust of 75 mph.				
<hr/>				
MUSCATINE COUNTY --- 2.5 NW MUSCATINE [41.45, -91.08], 2.6 SSE SWEETLAND CENTER [41.46, -90.97]				
	06/24/13 14:08 CST	1	0.50M	Tornado (EF1, L: 6.50 mi , W: 100 yd)
	06/24/13 14:14 CST		0	Source: NWS Storm Survey
There was a narrow damage track with trees snapped and uprooted. The most intense damage occurred in the business district along Highway 61. There was damage to a church, car dealership, hotel, and several other business. The damage continued down New Era road where several farmsteads sustained damage. The fatality occurred at the car dealership. There were 5 semi trailers overturned along Highway 61.				
Direct Fatalities: M??BU				
<hr/>				
MUSCATINE COUNTY --- MUSCATINE [41.42, -91.05]				
	06/24/13 14:08 CST		0	Thunderstorm Wind (EG 52 kt)
	06/24/13 14:08 CST		0	Source: Trained Spotter
A 17 ft tall tree was blown down on Mulberry St. There were several small trees and many tree branches down at that location.				
<hr/>				
JOHNSON COUNTY --- 3.2 WSW KENT COUNTY PARK [41.72, -91.79]				
	06/24/13 14:12 CST		0	Thunderstorm Wind (EG 54 kt)
	06/24/13 14:12 CST		0	Source: Emergency Manager
The Johnson County Emergency Manager reported numerous power lines and trees down throughout the county. A lightning strike caused a fire in town.				
<hr/>				
JOHNSON COUNTY --- 1.7 WNW AMISH [41.54, -91.81]				

Storm Data and Unusual Weather Phenomena - June 2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/24/13 14:15 CST		0	Thunderstorm Wind (EG 52 kt)
	06/24/13 14:15 CST		0	Source: Trained Spotter

A trained spotter reported a 60 foot pine tree was blown down. They estimated the winds to be around 60 mph. Additionally, over six inches of rain fell in the area since midnight.

CEDAR COUNTY --- 2.8 N STANWOOD [41.94, -91.15]

06/24/13 14:23 CST	0	Thunderstorm Wind (EG 52 kt)
06/24/13 14:23 CST	0	Source: Law Enforcement

Law Enforcement estimated wind speeds of 60 mph.

SCOTT COUNTY --- 0.9 NE BUFFALO [41.46, -90.72]

06/24/13 14:30 CST	0	Thunderstorm Wind (EG 50 kt)
06/24/13 14:30 CST	0	Source: Trained Spotter

Leaves were stripped from a tree and there were also trees down. Torrential rain was also occurring with the storm.

SCOTT COUNTY --- 2.3 NNW DAVENPORT [41.56, -90.60]

06/24/13 14:38 CST	0	Thunderstorm Wind (MG 57 kt)
06/24/13 14:38 CST	0	Source: ASOS

Trees were also down at the National Weather Service Office at the Davenport Airport.

SCOTT COUNTY --- 3.2 NNW DAVENPORT [41.57, -90.61]

06/24/13 14:40 CST	0	Thunderstorm Wind (EG 52 kt)
06/24/13 14:40 CST	0	Source: Trained Spotter

A trained spotter reported several tree limbs down. Time of the event was estimated using radar.

SCOTT COUNTY --- DAVENPORT ARPT [41.62, -90.58]

06/24/13 14:50 CST	0	Thunderstorm Wind (MG 61 kt)
06/24/13 14:50 CST	0	Source: ASOS

SCOTT COUNTY --- 2.8 N PRINCETON [41.71, -90.36]

06/24/13 14:55 CST	0	Thunderstorm Wind (EG 61 kt)
06/24/13 14:55 CST	0	Source: Trained Spotter

A trained spotter reported that debris was being lofted by winds along Highway 67 between Folletts and Princeton.

A disturbance moving northeastward from northern Missouri into eastern Iowa led to the development of a severe squall line with bowing segments that produced widespread wind damage across eastern Iowa north of a line from Jefferson to Louisa County. An EF-1 tornado touched down in the city of Muscatine with damage in the business district and one fatality.

Storm Data and Unusual Weather Phenomena - June 2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
				

Storm Data and Unusual Weather Phenomena - June 2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
				

Tornado after it had exited Muscatine.

CLINTON COUNTY --- 3.6 S DEWITT [41.77, -90.56], 4.2 S DEWITT [41.76, -90.56], 4.4 SSW MALONE [41.76, -90.49], 3.7 SSW MALONE [41.78, -90.49]			
06/25/13 23:00 CST	0	Flood (due to Heavy Rain)	
06/30/13 23:59 CST	0	Source: River/Stream Gage	

Heavy rain across the region late in June caused a second rise on the Wapsipinicon River near DeWitt. The river rose above the major flood stage of 12.5 feet late in the evening of the 25th and remained there through the end of the month.

JONES COUNTY --- 0.8 WNW WAPSIPINICON SP [42.10, -91.30], 1.1 NE FAIRVIEW [42.09, -91.30], 1.9 SE WAPSIPINICON SP [42.08, -91.26], 1.6 ESE WAPSIPINICON SP [42.09, -91.25]			
06/26/13 23:00 CST	0	Flood (due to Heavy Rain)	
06/29/13 01:00 CST	0	Source: River/Stream Gage	

Heavy rains late in June across the region led to another rise on the Wapsipinicon River near Anamosa at Shaw Road. The river rose above the major flood stage of 19 feet late in the evening on the 26th and fell back below major flood stage very early in the morning of the 29th.

LOUISA COUNTY --- 5.2 E GRANDVIEW [41.27, -91.10], 2.5 ESE GRANDVIEW [41.27, -91.15], 3.4 ESE OAKVILLE [41.09, -90.99], 5.1 E OAKVILLE [41.10, -90.95]			
06/27/13 23:00 CST	0	Flood (due to Heavy Rain)	
06/30/13 23:59 CST	0	Source: River/Stream Gage	

Heavy rains farther to the north during the last two weeks of June led to rises on the Mississippi River to above major flood stage at both New Boston and Keithsburg. Both New Boston and Keithsburg rose above their major flood stages of 18.5 feet and 17 feet respectively during the early morning hours of the 28th and remained there through the end of the month.

DES MOINES COUNTY --- BURLINGTON [40.82, -91.08], 6.3 E HURON [41.02, -90.91], 1.9 NE HURON [41.05, -91.00], 1.8 NNE LENOX PARK [40.86, -91.12]			
06/28/13 15:00 CST	0	Flood (due to Heavy Rain)	
06/30/13 23:59 CST	0	Source: River/Stream Gage	

Heavy rains farther to the north during the last two weeks of June led to rises on the Mississippi River to above major flood stage at both Gladstone and Burlington. The Mississippi River at Burlington rose above the major flood stage during the afternoon of the 28th and remained there through the end of the month. The Mississippi River at Gladstone rose above its major flood stage of 14 feet around midnight on the 29th and remained there through the end of the month.

MUSCATINE COUNTY --- MUSCATINE [41.42, -91.05], 0.6 ESE MUSCATINE [41.42, -91.04], 3.2 S MUSCATINE [41.37, -91.06], 3.0 SSW MUSCATINE [41.38, -91.08]			
06/29/13 06:00 CST	0	Flood (due to Heavy Rain)	
06/30/13 23:59 CST	0	Source: River/Stream Gage	

Heavy rains farther to the north during the last week in June led to rises on the Mississippi River at Illinois City above the major flood stage of 18 feet by sunrise on the 29th. The river remained above major flood stage through the end of the month.

Widespread heavy rains across the Upper Midwest during the last two weeks in June led to rises on area rivers the last week in June.

BUCHANAN COUNTY --- 0.5 W INDEPENDENCE [42.47, -91.89], 0.5 ESE QUASQUETON [42.40, -91.74], 1.0 NNW ROWLEY [42.39, -91.83], 2.2 SE OTTERVILLE [42.47, -91.92]			
06/26/13 00:10 CST	0	Flash Flood (due to Heavy Rain)	
06/26/13 07:00 CST	0	Source: Emergency Manager	

Storm Data and Unusual Weather Phenomena - June 2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Major flash flooding developed in Independence as very heavy rain fell across Buchanan County on the early morning hours of July 26. Heavy rains continued through 7am with flash flooding ending later that morning. Rainfall amounts ranged from 3.95 inches at Winthrop to 5.31 inches at Quasqueton to 6.10 inches on the north side of Independence.				

LINN COUNTY --- 0.5 E CENTRAL CITY [42.20, -91.52], 2.5 N LAFAYETTE [42.19, -91.68], 2.1 SSW ALBURNETT [42.12, -91.64], 3.2 E WAUBEEK [42.17, -91.44]

06/26/13 01:45 CST	0	Flash Flood (due to Heavy Rain)
06/26/13 07:00 CST	0	Source: Emergency Manager

The Emergency Manager for Linn County reported street flooding in Central City as well as major flash flooding occurring in Walker. Rainfall amounts in Linn County ranged from 1.02 inches at Coggon to 2.50 inches 1 mile south-southeast of Cedar Rapids.

LINN COUNTY --- 1.7 WSW BERTRAM [41.94, -91.56]

06/26/13 01:45 CST	0	Thunderstorm Wind (EG 52 kt)
06/26/13 01:45 CST	0	Source: Emergency Manager

Trees were reported down near the intersection of Highways 30 and 13.

JONES COUNTY --- 4.3 NW MONTICELLO [42.28, -91.25], 4.3 NNW MONTICELLO [42.29, -91.22], 2.4 NNE MONTICELLO [42.26, -91.19], 2.0 NNW MONTICELLO [42.26, -91.21]

06/26/13 03:37 CST	0	Flash Flood (due to Heavy Rain)
06/26/13 07:00 CST	0	Source: Emergency Manager

A car was stranded on County Road B62 at Silver Creek due to flash flooding. The only rainfall report was 1.20 inches in Wyoming.

DELAWARE COUNTY --- HOPKINTON [42.35, -91.25], 0.4 W HOPKINTON [42.35, -91.26], 0.5 SSW HOPKINTON [42.34, -91.25], 0.4 SE HOPKINTON [42.35, -91.25]

06/26/13 05:14 CST	0	Flash Flood (due to Heavy Rain)
06/26/13 08:00 CST	0	Source: Emergency Manager

The Emergency Manager for Delaware County passed along a report of damage to a bridge and home along Buck Creek. 4.20 inches of rain fell in Ryan. The time of the event was estimated from radar.

A disturbance moving across the Upper Midwest interacted with a stalled frontal boundary that stretched from central Minnesota southeastward across northeastern Iowa. Slow moving showers and thunderstorms produced heavy rainfall across already saturated ground in Buchanan, Delaware, Dubuque, and northern Linn and Jones Counties that produced widespread flash flooding. The heaviest rains fell across southern Buchanan and northern Linn Counties where 4 to 6 inches of rain was reported from Quasqueton to Independence.

MISSOURI, Northeast

CLARK COUNTY --- 4.1 E ALEXANDRIA [40.37, -91.39], 2.2 SSE KAHOKA [40.39, -91.71], 6.1 SW ST PATRICK [40.21, -91.71], 5.1 S GREGORY LNDG [40.21, -91.50]

06/01/13 00:00 CST	0	Flood (due to Heavy Rain)
06/09/13 23:00 CST	0	Source: River/Stream Gage

Heavy rain across the region late in the month of May led to the Mississippi River being above the major flood stage of 18 feet to begin the month. The river fell below major flood stage by mid morning on the 1st and then rose back above it shortly after midnight on the 4th. The river remained above major flood stage until late in the day on the 9th.

Widespread heavy rainfall across the region during late May and into early June led to widespread river flooding across eastern Iowa as the waters moved down stream.

SCOTLAND COUNTY --- 0.7 S MEMPHIS [40.46, -92.17]

06/24/13 13:29 CST	0	Thunderstorm Wind (EG 50 kt)
06/24/13 13:29 CST	0	Source: Trained Spotter

A trained spotter reported 2 inch diameter tree limbs down. They estimated winds to be 50 mph. The power went out at the time of the report.

SCOTLAND COUNTY --- 0.7 S MEMPHIS [40.46, -92.17]

Storm Data and Unusual Weather Phenomena - June 2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/24/13 13:34 CST		0	Thunderstorm Wind (EG 60 kt)
	06/24/13 13:34 CST		0	Source: Trained Spotter

A trained spotter reported a 3 foot diameter tree was down.

A strong squall line developed ahead of disturbance moving northeastward across northeast Missouri and eastern Iowa. This squall line moved into northeast Missouri in the early afternoon hours and produced wind damage in Scotland County.